

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 20-Nov-14

Time 9:34 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 037 Const Calendar Day: 237 Date: 03-May-2010 Monday

Inspector Name: Iranmanesh, Abbas Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Liu, Tai-Lin Approved Date: 18-May-10 Status: Approved

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature 7 AM 12 PM 4PM

Precipitation Condition

Working Day ☐ If no, explain:**Diary:**

Dispute

Work description.

Field Work at Pier 7

Lift 6E:

- 1- Four ABF crews were resurfacing the OBG skin plate and non-bolted connections on the fifth field splice (5E to 6E). They were using the man lift and the hanger for their operation.
- 2- One ABF crew was drilling the holes for the plate securing the OBG to the cradle.
- 3- One ABF crew was preparing the shim plates for the OBG lifting purpose.
- 4- The following items were transferred inside the OBG by the stand crane and ABF crew: catwalk railing, bolts, pins, cable tray, scaffolding, and plywood.
- 5- Two angles of the vortex plates were in place by temporary bolts.
- 6- All suspender brackets are set in place by temporary bolts except one of them with permanent bolts completed in China.

Equipments: Man lift ID # 477-40-5024
Man lift ID # 477-40-5029
Lincoln Electric 768-50-4005
Power Generator: Whisperwatt 700
Compressor: Ingersoll Rand 006-18-4293
Hanger

Field Work at Pier W2

- 7- Longitudinal straightness of the CB1 stiffeners: CB1 connections to OBGs were checked with the help of victor. The bottom connections, and the side connections up to half of the CB1 height were checked completely. Since the longitudinal stiffeners are subject to compressive stress, the limit of $d \leq L/480$ for straightness based on the special provision governs. The maximum measured stiffeners out of straightness at the CB1 was measured to be 7 mm, which is less than the allowable limit, $5340/480 = 11$ mm. However, shim plates could have solved the problem. Please see the attached picture.
- 8- Vertical misalignment of the CB1 stiffener connections to OBGs: With respect to the attached pictures, the vertical misalignment in a some of the stiffeners connection reaches 4 mm up to 5 mm.
- 9- All the CB1 walls have bulging problem at the splice points, this bulging is inward and is around 10 mm. Please see the attached picture.
- 10- All the stiffeners at the splice points have flatness issues or in the other term misalignment problem both longitudinally and laterally.



Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name: Iranmanesh, Abbas

Diary #: 037

Date: 03-May-2010 Monday

Office Work

1- Working on the daily report.

Hours worked: 9 Hours, 1 hour OT.

Attachment

